



This image was created by the Day/Night Band of the VIIRS instrument on board the NOAA/NASA Suomi NPP Satellite. Credit: NOAA's National Geophysical Data Center/NASA Earth Observatory

December 2015

Moon phases are Universal Time (UT)

NEW MOON

FIRST QUARTER

FULL MOON

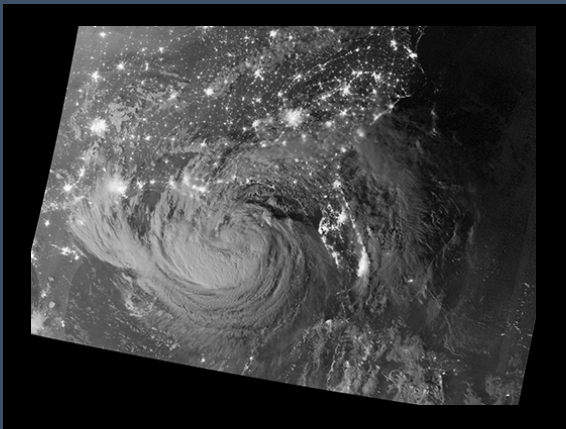
LAST QUARTER

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A clear view night or day

JPSS’s VIIRS instrument has a Day/Night Band to detect low levels of visible and near-infrared radiance. This means that low clouds, fog, snow cover, and other sources will be visible to JPSS at night. The Day/Night band capability has proven invaluable in the arctic regions for differentiating cloud, ice, and snow cover. The imagery has also been used with city light maps to model the distribution of economic activity and populations, monitor human development around parks, wildlife refuges and to observe blackout areas following hurricane landfalls.

An image of Hurricane Isaac taken by Suomi NPP’s VIIRS instrument.



Credit: NOAA